

September 6, 2019

VIA ELECTRONIC FILING

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
Office of the Secretary
445 12th Street, SW
Washington, DC 20554

Re: *Notice of Ex Parte Meeting*, GN Docket No. 18-122

Dear Ms. Dortch,

Per FCC Rule 1.1206, this letter provides notice that on September 4, 2019, the aviation and aerospace participants listed in Annex A met with Julius Knapp, Michael Ha, Ira Keltz and Kenneth Baker from the FCC.

During the meeting, the participants provided an update on the previously discussed testing of aviation's radio altimeters to develop suitable protection criteria for adjacent band signals such as those proposed in the proceeding.¹ This data would play a significant part in the protection of radio altimeter operations in the 4200-4400 MHz band adjacent to the 3700-4200 MHz band considered in the Proceeding for new 5G services.

Mr. Roy opened the discussion with the context and origins of the radio altimeter testing, the support of the International Civil Aviation Organization ("ICAO") to develop an international standard, and the intent for the information once completed. Mr. Redman then described the test rig being used by Aerospace Vehicle Systems Institute ("AVSI"), and how the configuration had been built up using existing aviation standards to simulate a worst-case operational scenario. Mr. Redman then explained the necessary steps to collect the radio altimeter data to determine an interference tolerance mask that represented all aviation systems currently in operation.

To apply this to the current proceeding, Mr. Roy noted that the group was also attempting to build an accurate 5G interference model. However, this had been difficult as the group is trying to account for as many scenarios as practicable to ensure representative data for the Commission's proceeding.

¹ See Letter from The Air Line Pilots Association ("ALPA"), Aircraft Owners and Pilots Association ("AOPA"), Airlines 4 America ("A4A"), Aeronautical Frequency Committee ("AFC"), Aerospace Industries Association ("AIA"), General Aviation Manufacturers Association ("GAMA"), Helicopter Association International ("HAI"), International Air Transport Association ("IATA"), National Air Transport Association ("NATA"), and National Business Aviation Association ("NBAA") to Marlene H. Dortch, Secretary, FCC, GN Docket No. 18-122 (Jun 19, 2019).

When concluding the meeting, the participants reaffirmed the need to protect essential aviation operations in the adjacent 4200-4400 MHz band, given the significant public safety issues that may arise if these operations are not fully accounted for.

Respectfully submitted,

/s/ Andrew Roy

Andrew Roy – Aviation Spectrum Resources, Inc.

On behalf of the Participants

cc:

Julius Knapp

Michael Ha

Ira Keltz

Kenneth Baker

Annex A – Aviation and Aerospace Participant List

*denotes joined via phone

Aerospace Industries Association - Tami Plofchan* and Leslie Riegle

Aerospace Systems Vehicle Institute - David Redman*

Aviation Spectrum Resources, Inc. - Andrew Roy

Boeing – Joe Cramer*

Collins Aerospace – Christopher Fitzhugh* and Michael Lynch*

Garmin – Clay Barber* and Eddie Straub*

Honeywell – Seth Frick*

International Air Transport Association – Noppadol Pringvanich*

Lockheed Martin – Ryan Terry

Zodiac Inflight Innovations – Steve Rines*